

FIG. 1

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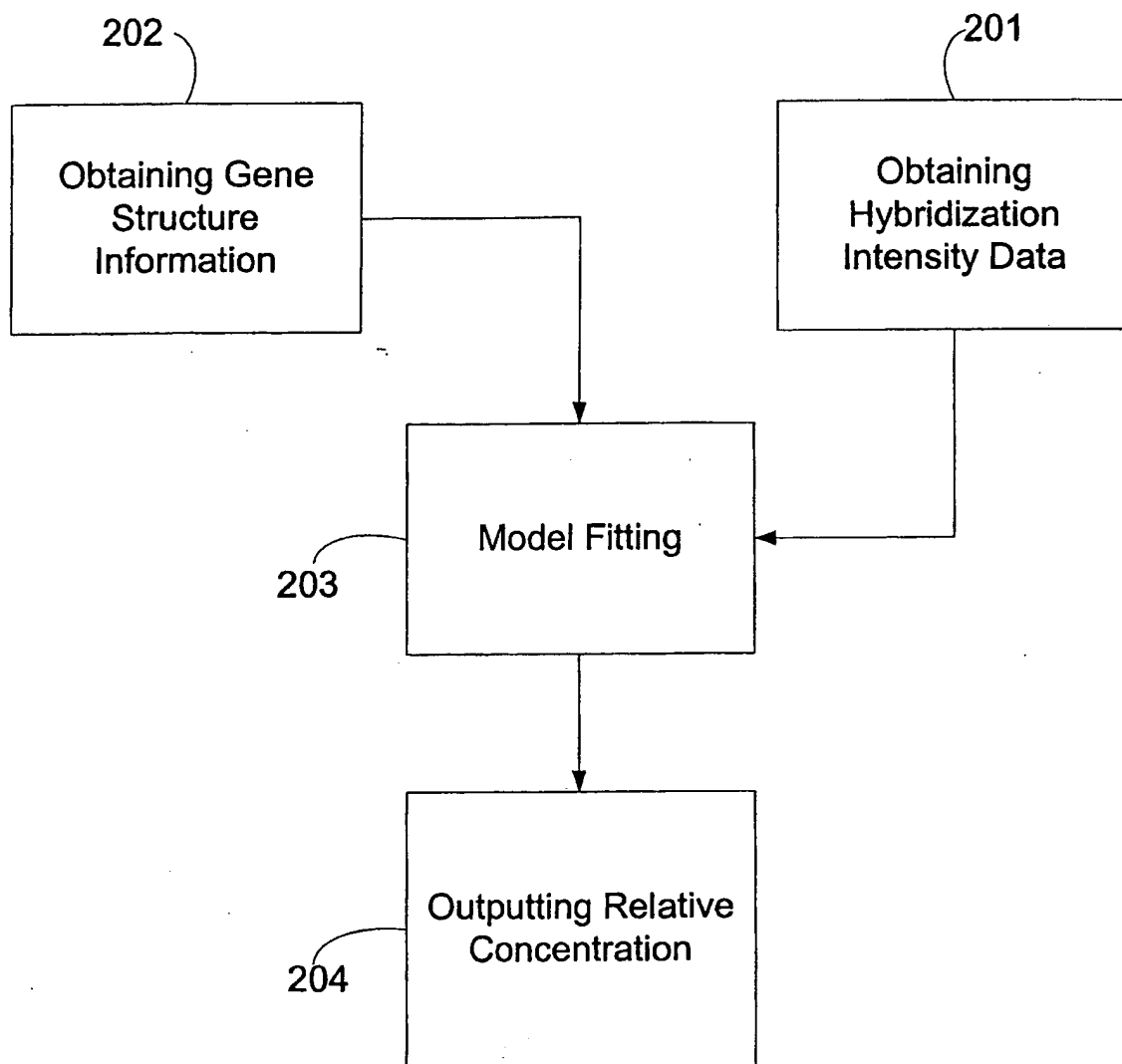


FIG. 2

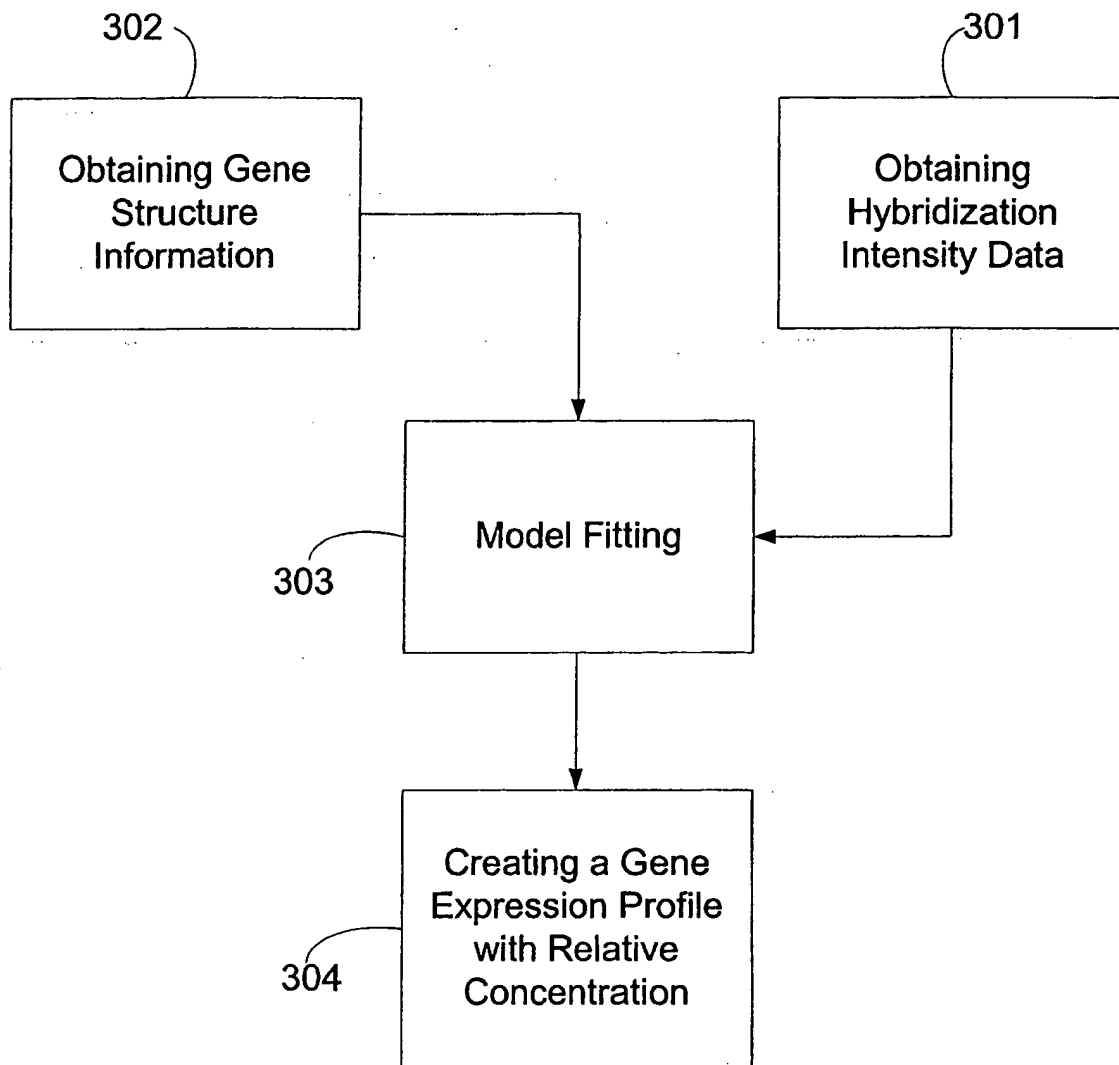


FIG. 3

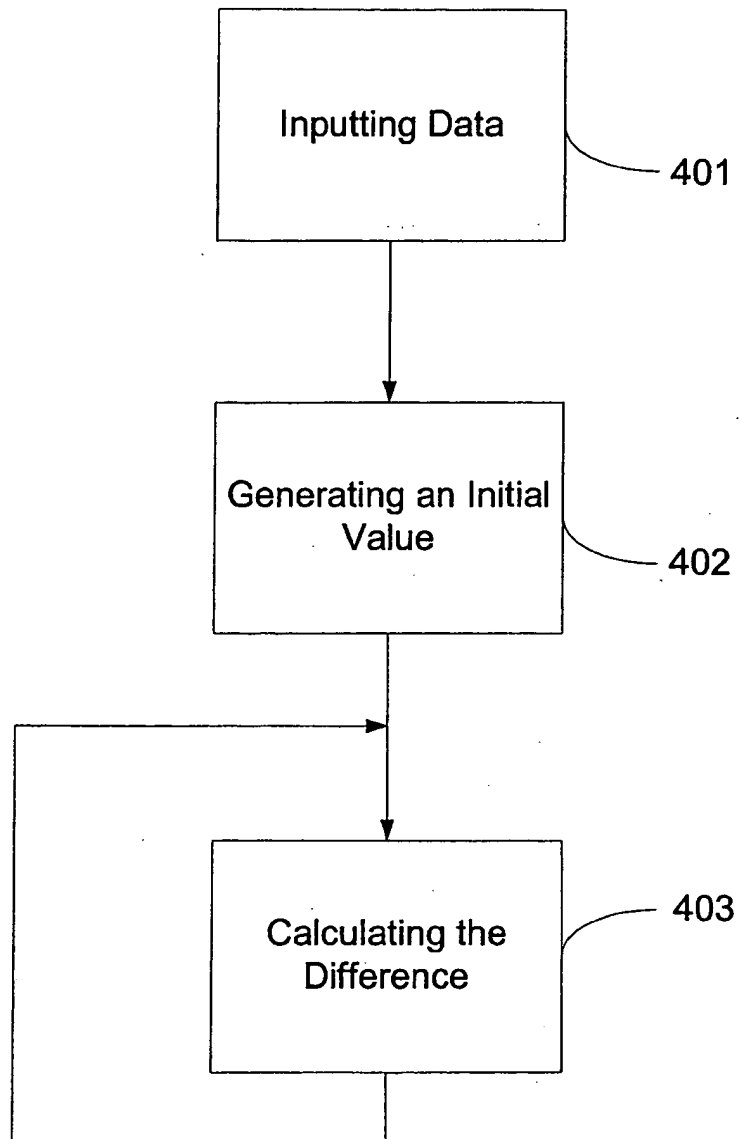


FIG. 4

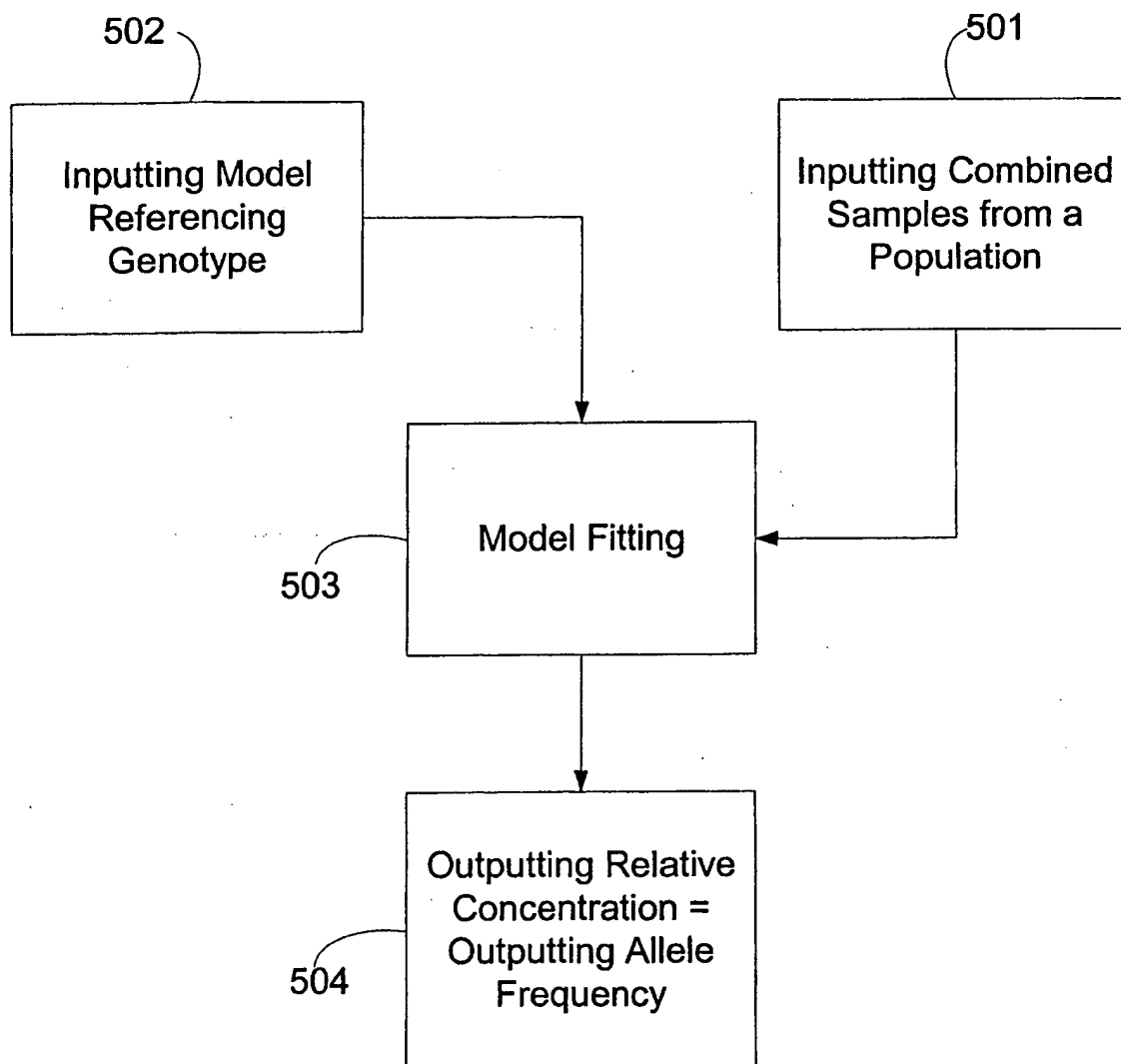


FIG. 5

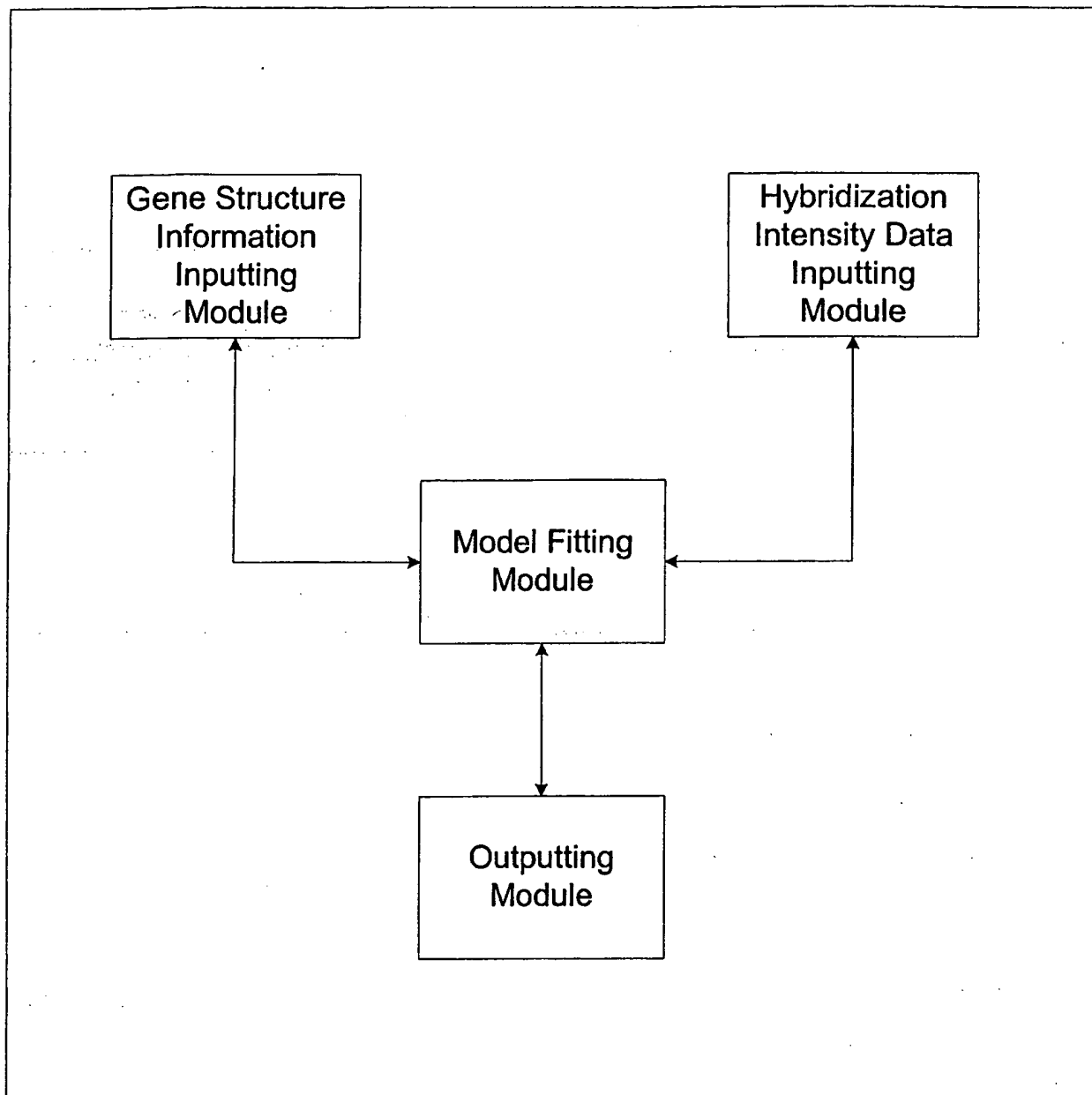


FIG. 6

		Features					
Transcripts	g_{KJ}	$F^{(1)}$	$F^{(2)}$	$F^{(3)}$	$F^{(4)}$	$F^{(5)}$	$F^{(6)}$
	T_{1J}	1	1	0	0	1	1
	T_{3J}	1	0	0	0	1	0
	T_{3J}	0	1	1	1	0	0
	T_{kJ}	0	0	1	0	0	1
	T_{mJ}	1	0	1	1	0	1
		$X_j^{(1)}$	$X_j^{(2)}$	$X_j^{(3)}$	$X_j^{(4)}$	$X_j^{(5)}$	$X_j^{(6)}$

FIG. 7

		Experiments					
Probes	$y_{i,j}$	$E(1),$	$E(2),$	$E(3),$	$E(4),$	$E(i),$	$E(en)$
	$P_{fn,1}$	$y_{1,1}$	$y_{1,2}$	$y_{1,3}$	$y_{1,4}$	$y_{1,j}$	$y_{1,en}$
	$P_{fn,2}$	$y_{2,1}$	$y_{2,2}$	$y_{2,3}$	$y_{2,4}$	$y_{2,j}$	$y_{2,en}$
	$P_{fn,3}$	$y_{3,1}$	$y_{3,2}$	$y_{3,3}$	$y_{3,4}$	$y_{3,j}$	$y_{3,en}$
	$P_{fn,i}$	$y_{i,1}$	$y_{i,2}$	$y_{i,3}$	$y_{i,4}$	$y_{i,j}$	$y_{i,en}$
	$P_{fn,pm}$	$y_{pm,1}$	$y_{pm,2}$	$y_{pm,3}$	$y_{pm,4}$	$y_{pm,j}$	$y_{pm,en}$

FIG. 8

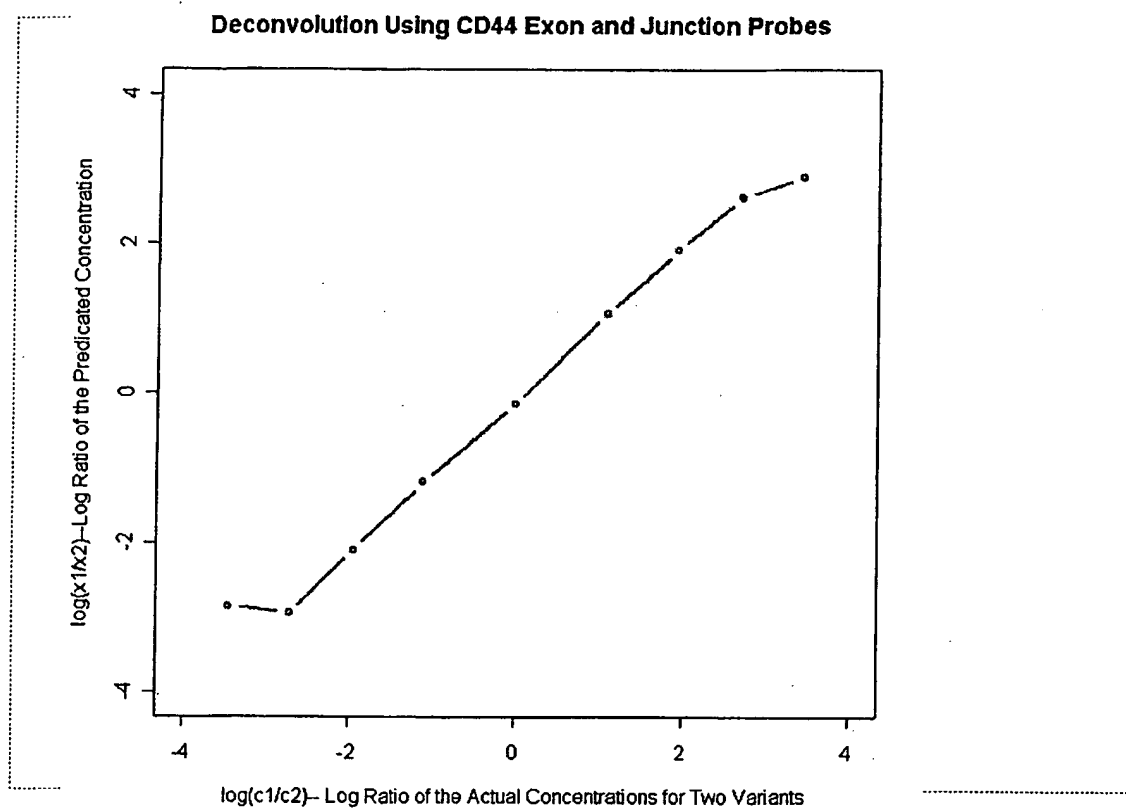


FIG. 9

Minimization

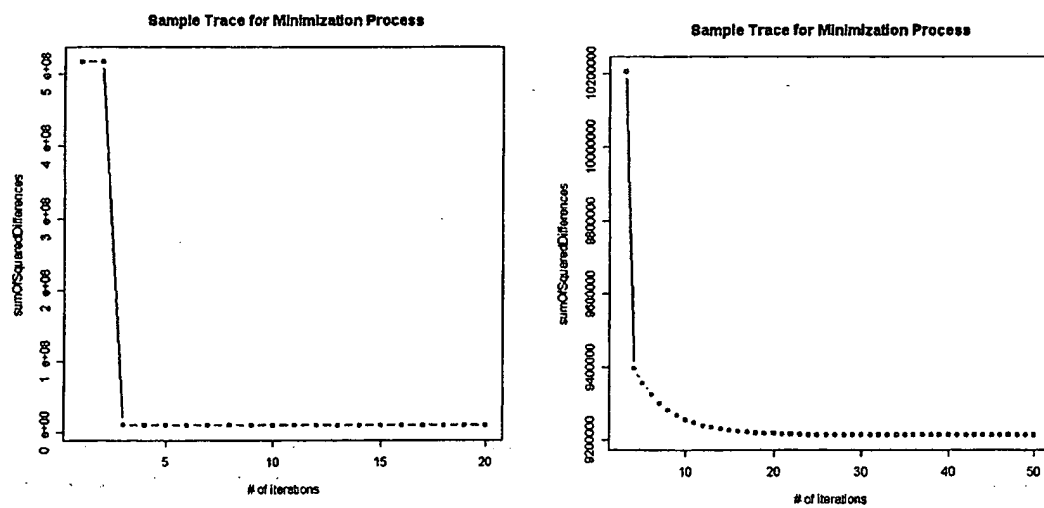


FIG. 10

Model Fitting

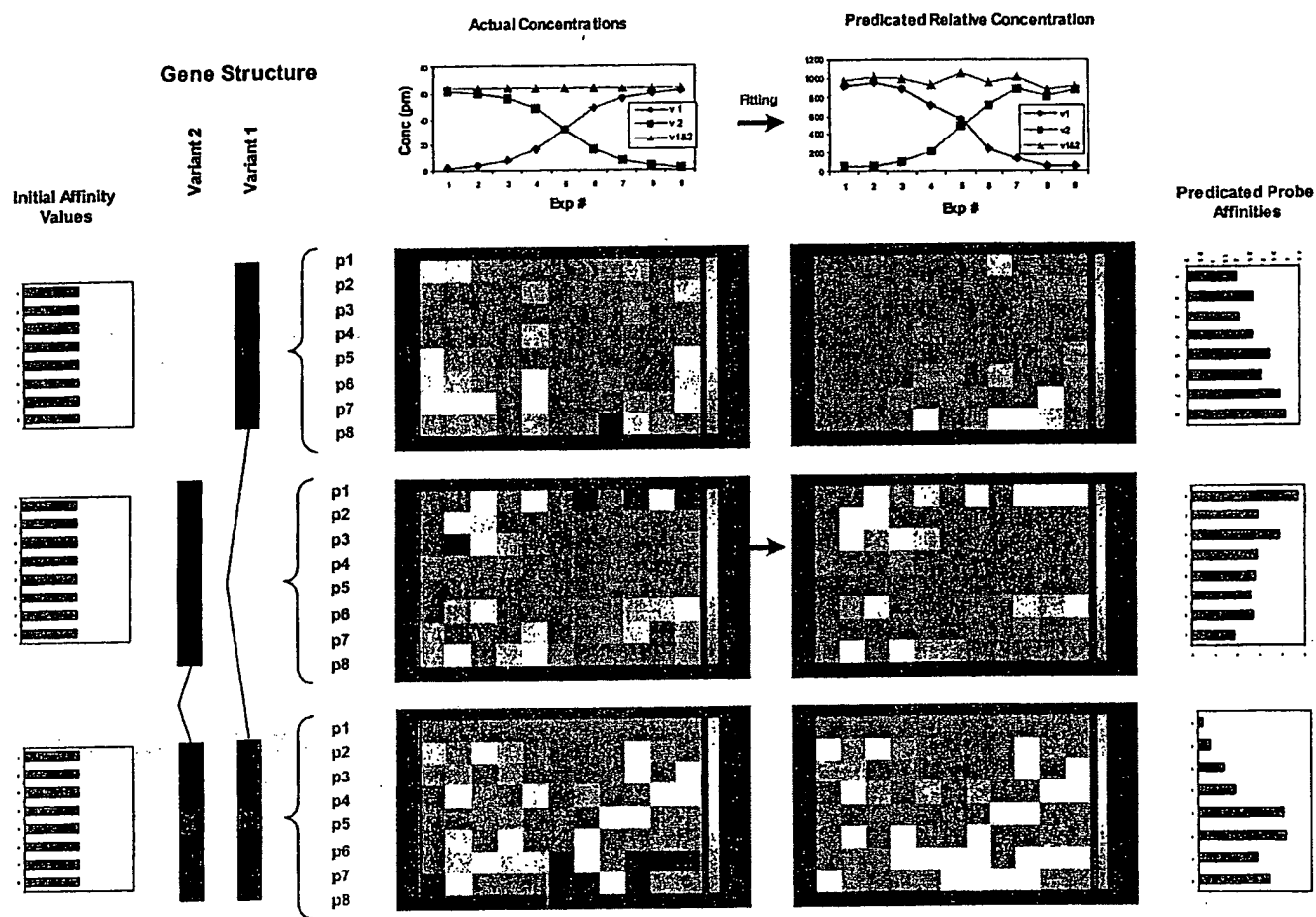


FIG. 11

EXPRESSION OF CD44 IN HUMAN BREAST BENIGN DISEASE, TUMORS, AND METASTASIS

Reference	Technique	Tissue Sample	CD44 Expression	Observation
Matsumura & Tarin, 1992	RT-PCR	Benign disease Non met br. ca. Met. br. ca.	Complex Complex Complex	Over expression of spliced variants in malignant tumors
Joensuu <i>et al.</i> , 1993	IHC	Br. ca.	s	CD44 (+): poor differentiation Not an independent factor
Kaufman <i>et al.</i> , 1995	IHC	Benign disease Br. ca. Mets (lymph)	Neg. v5, v6, v3, v10 v3, v5, v6	v6, independent prognostic factor
Friedrichs <i>et al.</i> , 1995	IHC, RT-PCR	Node (-) br. ca. Node (+) br. ca.	s, v8, v9 s, v8, v9	s, v8, v9 are not markers of tumor Progression
Sinn <i>et al.</i> , 1995	IHC	Hyperplasia Br. ca. Mets (lymph)	Neg. v3-v10 v3-v10	v3/v4 and v6 correlate with increased tumor grade
Rodriguez <i>et al.</i> , 1995	RT-PCR	Node (-) br. ca. Node (+) br. ca. Mets (lymph; distr.)	Complex Complex Complex	v6, no association with lymph node invasion v6, v7, expressed in ER (-) tumors
Schumacher, <i>et al.</i> , 1996	IHC	Br. ca.	v6	v6 (-) tumors, no deaths in the first 2.5 years
Gurlec <i>et al.</i> , 1996	RT-PCR	Benign disease Br. ca.	v2 v2	v2 correlates with poor outcome
Tempfer <i>et al.</i> , 1996	IHC	Br. ca. Mets (lymph)	v5, v6, v7/v8 v5, v6, v7/v8	v6 correlates with poor overall survival, tumor grade, and lymph node mets Not an independent prognostic factor
Charpin <i>et al.</i> , 1997	IHC	Br. ca.	s, v6	v6 expression is independent of age, tumor size, type, lymph node status, ER, or PR
Tokuue <i>et al.</i> , 1998	IHC, RT-PCR	Br. ca.	v2, v6	v2 correlates with poor survival v6 does not correlate with poor survival
Bankfalvi <i>et al.</i> , 1998	IHC	Benign disease Br. ca.	s, v5, v6, v7, v9 s, v5, v6, v7, v9, v3, v4	v3, v4 possible markers of malignancy
Jansen <i>et al.</i> , 1998	IHC	Br. ca.	v6	v6 is not a prognostic factor

FIG. 12

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